



***N*-(3-Methoxybenzyl)-(9Z,12Z,15Z)-octadecatrienamide**

Cat. No.:	OB0225WX-1698
Appearance:	Oil
Purity:	≥98%
Identity:	Confirmed by NMR, and LC-MS.
Size:	1 mg; 5 mg; 10 mg; 50 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	<i>N</i> -(3-Methoxybenzyl)-(9Z,12Z,15Z)-octadecatrienamide is an amide derivative that stimulates osteogenic differentiation in mesenchymal stem cells through the activation of the canonical Wnt/β-catenin signaling axis .
Synonym	(9Z,12Z,15Z)- <i>N</i> -[(3-Methoxyphenyl)methyl]-9,12,15-octadecatrienamide; Macamide Impurity 14; 883715-23-9; <i>N</i> -(3-Methoxybenzyl)-(9Z,12Z,15Z)-octadecatrienamide; 9,12,15-Octadecatrienamide, <i>N</i> -[(3-methoxyphenyl)methyl]-, (9Z,12Z,15Z)-; 9,12,15-Octadecatrienamide, <i>N</i> -[(3-methoxyphenyl)methyl]-, (9Z,12Z,15Z)-; <i>N</i> -[(3-Methoxyphenyl)methyl]octadeca-9,12,15-trienamide, (9 Z,12Z,15Z)-; (9Z,12Z,15Z)- <i>N</i> -(3-Methoxybenzyl)octadeca-9,12,15-trienamide; (9Z,12Z,15Z)- <i>N</i> -[(3-Methoxyphenyl)methyl]-9,12,15-octadecatrienamide; (9Z,12Z,15Z)- <i>N</i> -[(3-Methoxyphenyl)methyl]-9,12,15-octadecatrienamide; <i>N</i> -(3-methoxybenzyl)linolenamide
CAS No.	883715-23-9
Compound CID	73353637
Formula	C ₂₆ H ₃₉ NO ₂
Formula Weight	397.59

Specification

Relative Density	1.31 g/cm ³
IUPAC Name	(9Z,12Z,15Z)- <i>N</i> -[(3-Methoxyphenyl)methyl]octadeca-9, 12,15-trienamide



InChI	InChI=1S/C26H39NO2/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-21-26(28)27-23-24-19-18-20-25(22-24)29-2/h4-5,7-8,10-11,18-20,22H,3,6,9,12-17,21,23H2,1-2H3,(H,27,28)/b5-4-,8-7-,11-10-
InChI Key	XKHCEDYSKNATME-YSTUJMKBSA-N
SMILES string	<chem>CC/C=C\C/C=C\C/C=C\CCCCCCCC(=O)NCC1=CC(=CC=C1)OC</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	<i>N</i> -(3-Methoxybenzyl)-(9 <i>Z</i> ,12 <i>Z</i> ,15 <i>Z</i>)-octadecatrienamide is utilized in biochemical studies as a specialized lipid derivative to study its interaction with fatty acid-related signaling and its impact on cellular homeostasis.

Library Information

Target	Wnt/β-Catenin
Receptor	Wnt/β-Catenin
Pathways	Cytoskeletal signaling; Stem cells
Plate Number	AOCL-22
Plate Location	g3
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	60 mg/mL; 150.91 mM